

[METHOD AND ARRANGEMENT FOR AFFECTING TIME, TEMPERATURE AND TRANSFORMATION DEPENDENT STRESS RELIEF IN SPRAYFORM TECHNIQUES]

Abstract of Disclosure

Method and apparatus for controlling a spray-forming process incorporating time, temperature, and transformation dependent stress relief techniques involves the manipulation of both temperature and time for strategic phase changes that result in a specific and planned volumetric increase. This manipulation is made based on controlling ongoing spray parameters to spray-form an article having a mixed-phase and interspersed makeup of metallic phases that minimizes residual stress in the article.

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Figures

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